



CHECKLIST AND LEGEND

- ☐ **A** ELECTRIC UTILITY SERVICE CONDUCTORS BY UTILITY.
- ELECTRIC UTILITY TO PROVIDE TRENCH PER SECTION A-A FOR ALL NEW SINGLE FAMILY HOUSE SERVICES.
- HOMEOWNER TO PROVIDE OPEN TRENCH PER SECTION A-A. FOR ALL UPGRADED SINGLE FAMILY HOUSE SERVICES.
- ELECTRIC SERVICE CONDUCTORS SHALL NOT BE INSTALLED UNDER DECKS, PORCHES, POOLS, OR ANY OTHER PERMANENT IMPROVEMENTS. THE UTILITY MAY PERMIT SOME INSTALLATIONS UNDER SUCH PERMANENT IMPROVEMENTS THROUGH THE INSTALLATION OF PVC SCH. 40 RACEWAY AT 30" BELOW GRADE, BY THE OWNER, FROM THE METER PEDESTAL ON THE HOME TO 10'-0" PAST THE OBSTRUCTION.
- ELECTRIC SERVICE CONDUCTORS SHALL NOT BE INSTALLED WITHIN 10'-0", IN ANY DIRECTION, OF A HOT TUB OR SWIMMING POOL.
- ☐ **B** METER PEDESTAL (METER BY UTILITY)
- 200 A - MILBANK CAT. NO. NU890KK200KK
OVER 200 A - CONSULT UTILITY ENGINEERING DEPT.
ADD FIFTH JAW FOR 120/208 V, 3-W SERVICE.
- METER PEDESTAL MUST BE SECURED TO BUILDING STUDS OR OTHER STRUCTURAL ELEMENT AND NOT JUST SIDING.
METER BASE MUST BE GROUNDED.
- FOR SERVICES 400 A AND GREATER, EXTERNAL DISCONNECT/ DISCONNECTS ARE REQUIRED.
- ☐ **C** GROUND ELECTRODE CONDUCTOR. GROUND PER NEC.
INSULATED GROUND CONDUCTOR TO BE CONTINUOUS TO MAIN PANEL
NOT TO BE CONNECTED AT METER SOCKET.
- ☐ **D** GROUND ROD CONNECTOR (MUST BE VISIBLE/WITH TAG)
JOSLYN CAT. NO. J8392, OR APPROVED EQUIVALENT
(WARNING TAG SHALL BE SUPPLIED AND INSTALLED BY UTILITY)
- ☐ **E** 5/8" X 8' COPPERWELD GROUND ROD
INSTALLED IN UNDISTURBED SOIL.
- ☐ **F** RIGID GALVANIZED STEEL PIPE AND IMC FITTINGS WITH CONDUCTORS:
- 100 A - 2-#3 PHASE AND 1-#3 NEUTRAL THWN COPPER CONDUCTORS
IN 1-1/4 INCH PIPE
- 200 A - 2-#3/0 PHASE AND 1-#3/0 NEUTRAL THWN COPPER CONDUCTORS
IN 2 INCH PIPE
- THE USE OF COPPER CONDUCTORS IS PREFERRED FOR ALL SERVICE ENTRANCE INSTALLATIONS. HOWEVER, IF ALUMINUM CONDUCTORS ARE USED AS PART OF THE SERVICE ENTRANCE INSTALLATION, ALL CONNECTIONS, UP TO AND INCLUDING THE CONNECTIONS AT THE MAIN CIRCUIT BREAKER, MAIN DISCONNECT, OR MAIN LUGS OF THE MAIN SERVICE ENTRANCE PANEL MUST BE MADE BY USE OF SCMEU-APPROVED COMPRESSION-TYPE CONNECTORS. THE USE OF MECHANICAL CONNECTORS ON ALUMINUM SERVICE ENTRANCE CONDUCTORS SHALL NOT BE PERMITTED.
- ☐ **G** PANELBOARD WITH MAIN (100 A OR 200 A) CIRCUIT BREAKER
- (PANELBOARD TO BE LOCATED NO FURTHER THAN 5 FEET FROM METERING POINT WITHOUT AN EXTERNAL DISCONNECT)
- PANELBOARD TO BE SOLIDLY SECURED TO WALL AT TOP AND BOTTOM
WHEN MOUNTED ON CONCRETE MASONARY WALLS, A MINIMUM 1/2" THICK PLYWOOD SHALL BE MOUNTED BEHIND THE ELECTRIC PANEL.
- PROVIDE MINIMUM OF 36" CLEAR WORKING SPACE IN FRONT OF PANELBOARD. (WIDTH OF CLEAR WORKING SPACE TO BE 36")
- ☐ **H** 1/2" EMT CONDUIT WITH GROUND WIRE OR A BARE ARMORED GROUND
- 100 A - NO. 8 COPPER GROUND WIRE
200 A - NO. 4 COPPER GROUND WIRE
- ☐ **I** 1/2' EMT CONDUIT END CONNECTOR - SECURE CONDUCTOR TO CONDUIT
- ☐ **J** 1/2" CONDUIT STRAPS (TYPICAL)
- ☐ **K** GROUND CONDUCTOR (AS SHOWN WITH JUMPER ACROSS WATER METER)
- 100 A - NO. 8 COPPER GROUND WIRE
200 A - NO. 4 COPPER GROUND WIRE
- ☐ **L** GROUND CONDUCTOR TO WATER LINE CONNECTOR
- ☐ **M** WATER METER
- ☐ **N** INCOMING WATER LINE
- ☐ **O** NATURAL GAS METER
MINIMUM OF 10'-0" FROM SERVICE EQUIPMENT
- ☐ **P** ELECTRIC METER PROVIDED BY UTILITY

NOTE: MINIMUM SERVICE SIZE FOR NEW ONE OR TWO FAMILY DWELLING IS 200 A.
MINIMUM SERVICE SIZE FOR NEW MULTI FAMILY OR 3 OR MORE ATTACHED FAMILY IS 100 A.

NEC & NESC PRESCRIBE MINIMUM CLEARANCES FOR SERVICE WIRES